

'R' = Backbone of most Photines

**1, Photine CBUS type:**

$X_1$  = Aniline,  $X_2$  = Morpholine,  $X_3$  = Aniline,  $X_4$  = Morpholine

**2, Photine D type:**

$X_1$  = Aniline,  $X_2$  = Aniline,  $X_3$  = Aniline,  $X_4$  = Aniline

**3, Photine PAQ type:**

$X_1$  = Sulphanilic Acid,  $X_2$  = DEA,  $X_3$  = DEA,  $X_4$  = Sulphanilic Acid

**4, Photine CAQ type:**

$X_1$  = DEA,  $X_2$  = Aniline,  $X_3$  = DEA,  $X_4$  = Aniline

Figure 1

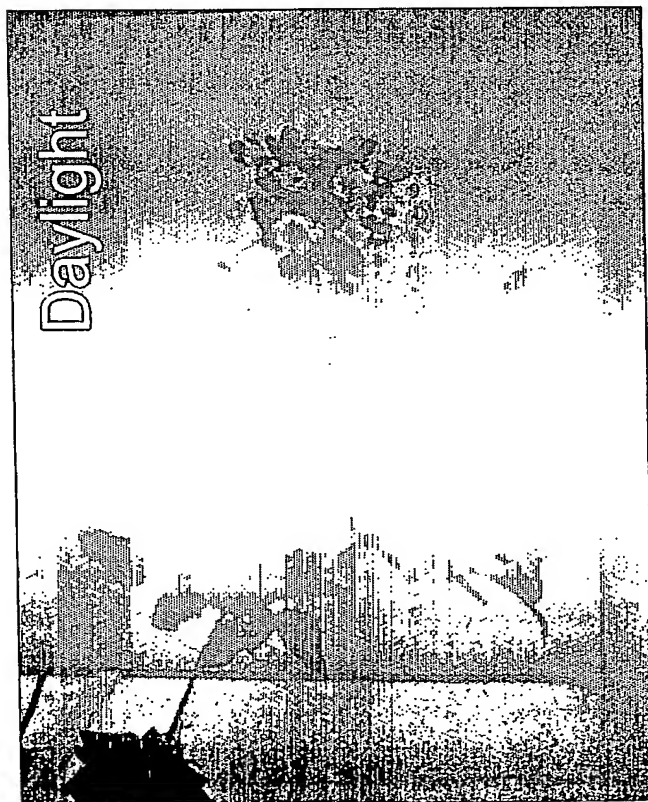
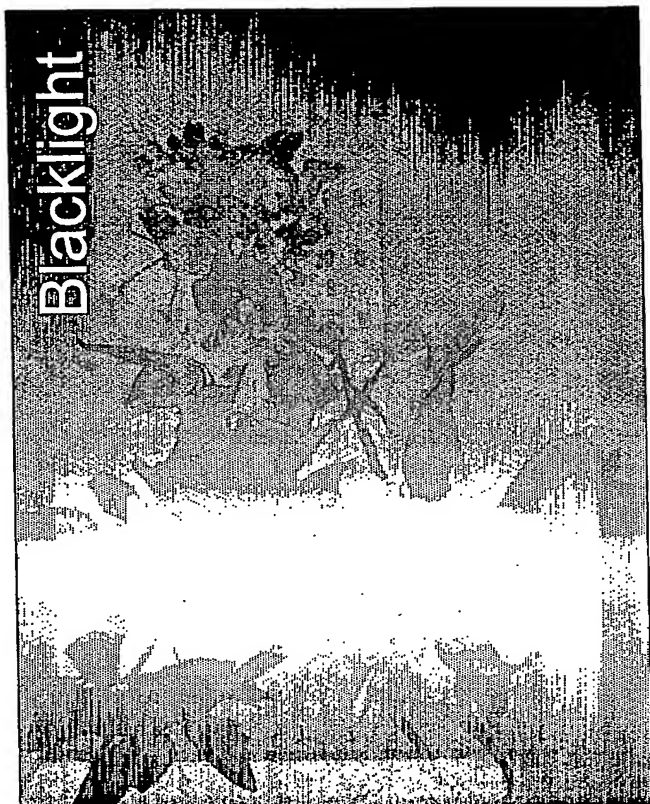


Figure 2

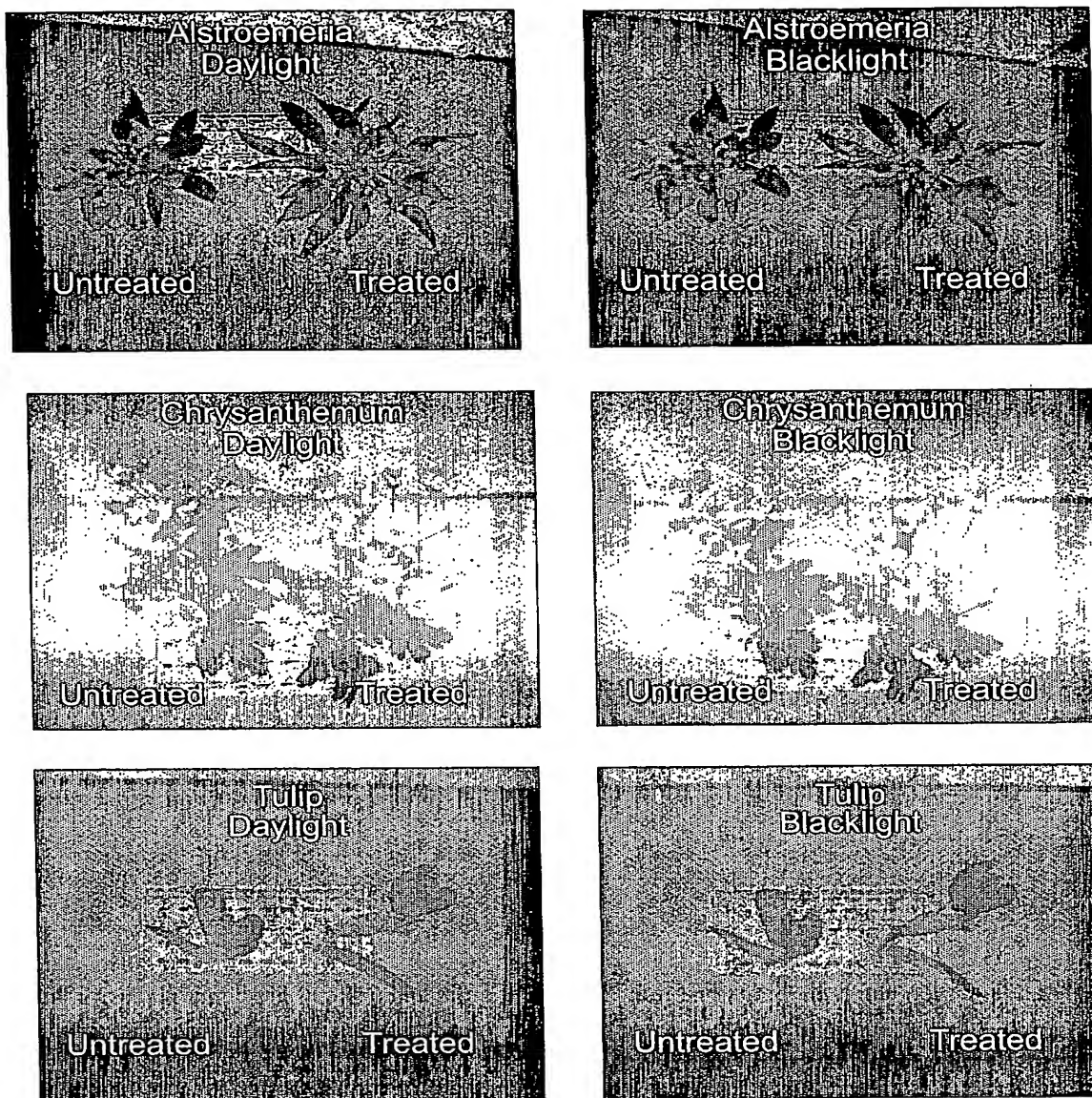


Figure 3A

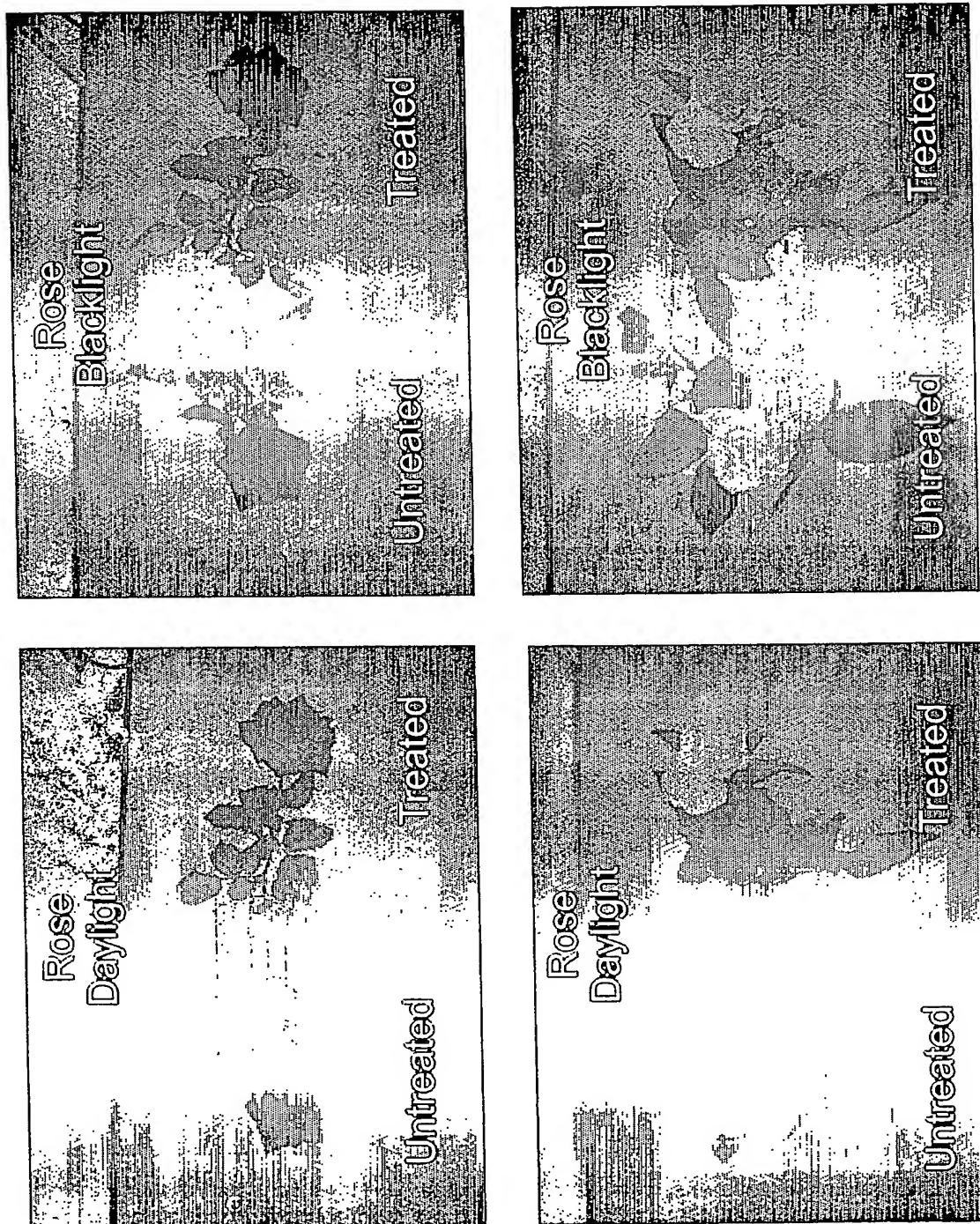


Figure 3B

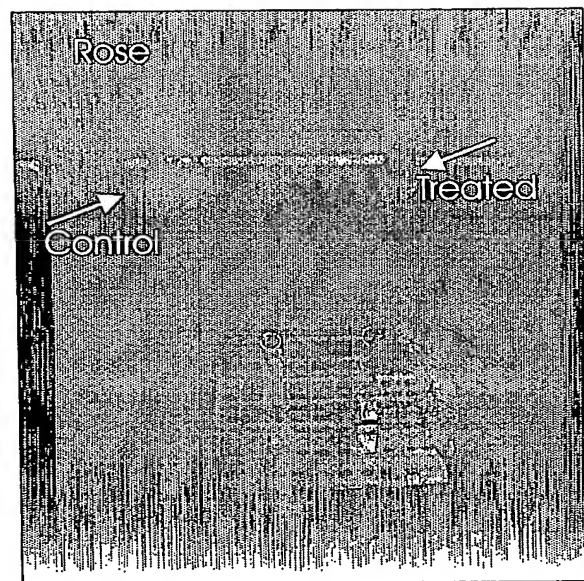
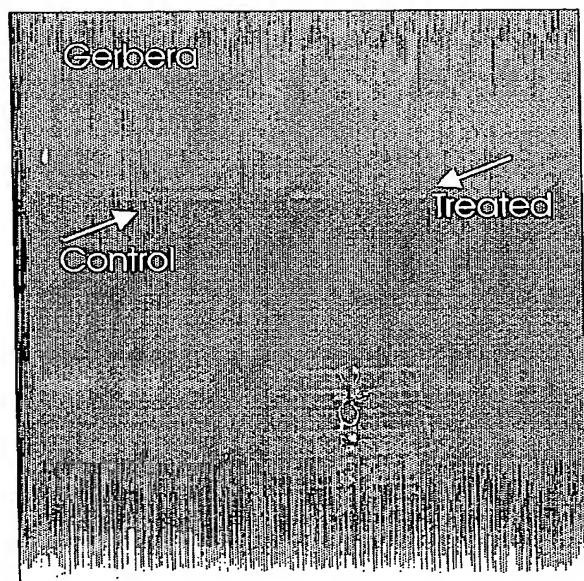
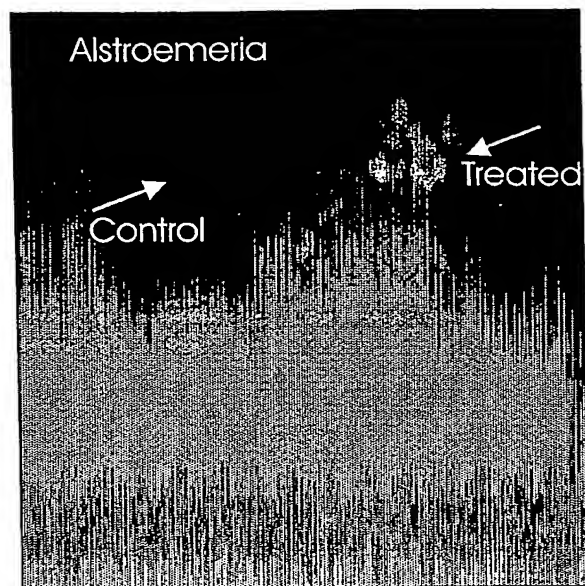
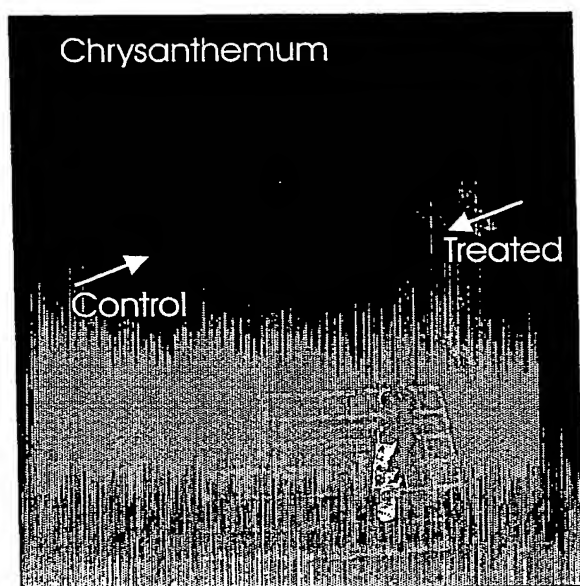


Figure 4



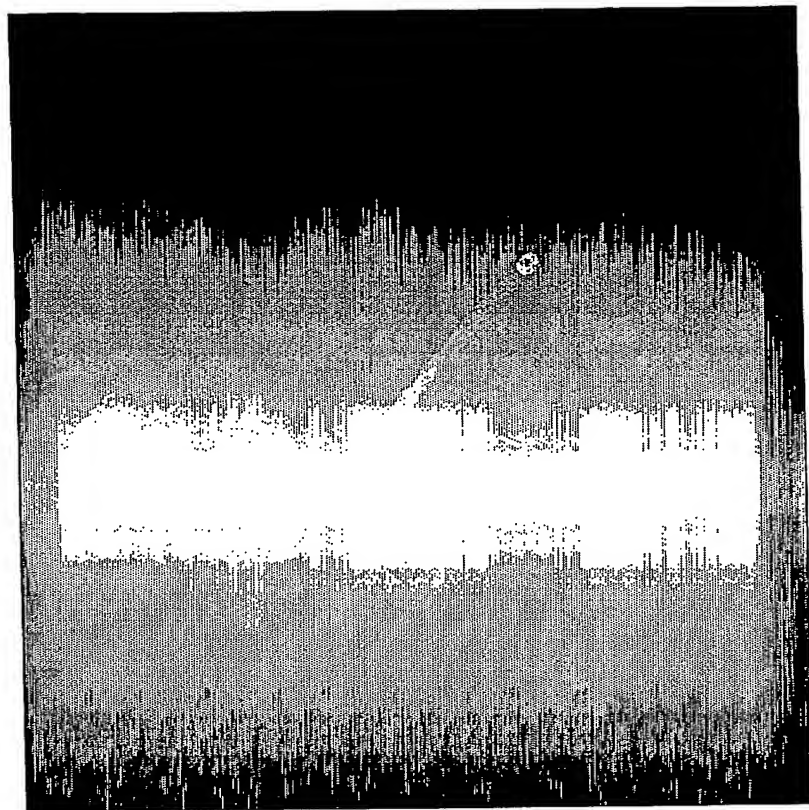


Figure 5

Figure 6

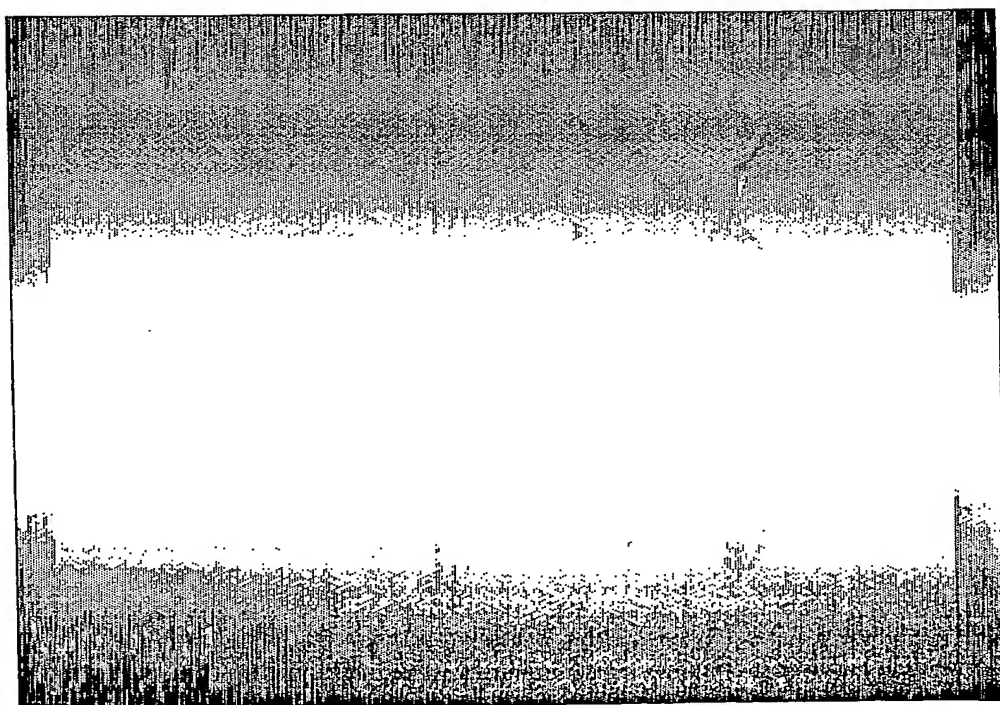
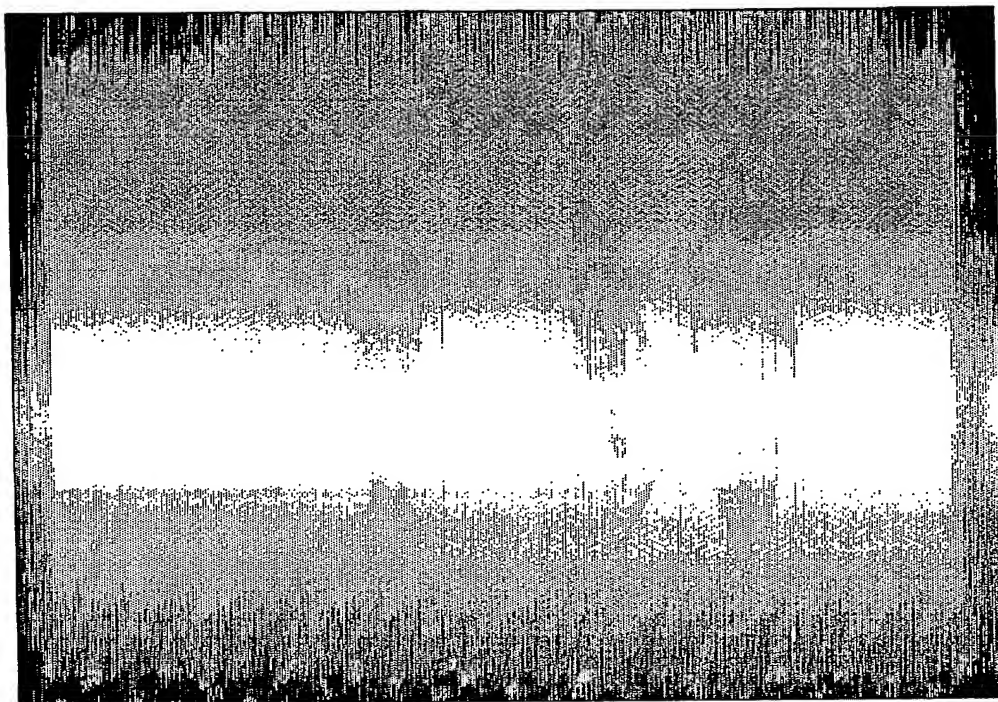


Figure 7

